

SUBSTITUTE FORM PTO-1390

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

14219-065US1

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/505185

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.
PCT/DE03/00141INTERNATIONAL FILING DATE
20 January 2003PRIORITY DATE CLAIMED
22 February 2002TITLE OF INVENTION
PIEZO ACTUATOR COMPRISING A STRUCTURED EXTERNAL ELECTRODEAPPLICANT(S) FOR DO/EO/US
Steffen Riemer

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
International Search Report; Form PCT/IB/306

CERTIFICATE OF MAILING BY EXPRESS MAIL
Express Mail Label No. EL 965902349 US
Date of Deposit: August 18, 2004

U.S. APPLICATION NO. (if known, see 37 CFR 1.53) <div style="font-size: 2em; font-weight: bold; margin-left: 100px;">10/505185</div>		INTERNATIONAL APPLICATION NO. PCT/DE03/00141		ATTORNEY'S DOCKET NUMBER 14219-065US1																					
21. <input checked="" type="checkbox"/> The following fees are submitted: Basic National Fee (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... \$1080 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... \$920 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... \$770 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... \$730 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100 <div style="text-align: center;">ENTER APPROPRIATE BASIC FEE AMOUNT =</div>				CALCULATIONS PTO USE ONLY																					
Surcharge of \$130 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$920.00																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> </tr> <tr> <td>Total Claims</td> <td>25 - 20 =</td> <td>5</td> <td>x \$18</td> </tr> <tr> <td>Independent Claims</td> <td>3 - 3 =</td> <td></td> <td>x \$86</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</td> <td>+ \$290</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$1,010.00</td> </tr> </table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total Claims	25 - 20 =	5	x \$18	Independent Claims	3 - 3 =		x \$86	MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			+ \$290	TOTAL OF ABOVE CALCULATIONS =			\$1,010.00	\$0.00	
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Independent Claims	3 - 3 =		x \$86																						
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			+ \$290																						
TOTAL OF ABOVE CALCULATIONS =			\$1,010.00																						
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$0.00																					
<div style="text-align: right;">SUBTOTAL =</div>				\$0.00																					
Processing fee of \$130 for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f))				\$0.00																					
<div style="text-align: right;">TOTAL NATIONAL FEE =</div>				\$1,010.00																					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$0.00																					
<div style="text-align: right;">TOTAL FEES ENCLOSED =</div>				\$1,010.00																					
				Amount to be refunded:	\$																				
				charged:	\$																				
a. <input checked="" type="checkbox"/> A check in the amount of \$1,010.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.																									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed and granted to restore the application to pending status.																									
SEND ALL CORRESPONDENCE TO:																									
PTO Customer No: 26161		<div style="text-align: center;"> </div>																							
		SIGNATURE																							
		NAME Paul A. Pysher																							
		REGISTRATION NUMBER 40,780																							